

SAFETY DATA SHEET

DEO REO 40

1 Identificatic Identification of the substance/preparation and of the company

Product Name **DEO REO 40** Manufacturer: CFR, A Tacony Company
 3101 Wichita Court
 Fort Worth, TX 76140-1710
 800-880-2913 EXT 150

Supplier: CFR, A Tacony Company
 3101 Wichita Court
 Fort Worth, TX 76140-1710
 800-880-2913 EXT 150

Emergency telephone number:

Material uses: Odour counteractant

2 Composition/information on ingredients

Substance/Preparation: Preparation

Chemical Name	CAS no.	%	EC Number	Classification
Quaternary Ammonium Compounds, Benzyl C12-C16 Alkyldimethyl chlorides	68424-85-1	1--3	270-325-2	C; R34
Quaternary Ammonium Compounds, Di-C8-C10 Alkyldimethyl chlorides	68424-95-3	0.1--1.0	270-331-5	Xi; R36/38

* Occupational Exposure Limits, if available, are listed in Section 8

3 Hazards Identification

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments

Classification

Effects and Symptoms

Ingestion: May be harmful if swallowed.

Skin Contact: May cause skin irritation. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering. Non sensitizer for skin.

Eye Contact: May cause eye irritation.

Aggravating Conditions: Repeated/prolonged exposure not known to aggravate condition.

4 First-aid Measures

First-aid measures

Inhalation: If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact: Immediately flush skin with plenty of water. Cold water may be used. Obtain medical attention.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with copius amount of water for 15 minutes. Cold water may be used. Obtain medical attention.

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5 Fire-fighting measures

Extinguishing Media

Suitable: Not Applicable

Special fire-fighting procedures: Fire -fighters should wear self contained breathing apparatus (SCBA) and full turn-out gear.

6 Accidental release measures

Personal Precautions: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing may not be sufficient. Consult a specialist before handling this product.

Environmental precautions and cleanup methods

Absorb with inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on spill, allow to drain to sewer.

Note: See section 8 for personal protective equipment and section 13 for waste disposal

7 Handling and storage

Handling: Do not ingest. Do not breath gas/fumes/vapour/spray. Wear protective clothing. If ingested, seek medical advice immediately. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool well ventilated area.

Packaging materials

Recommended use: Use original container.

8 Exposure controls/personal protection

Engineering measures: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below the respective threshold limits.

Hygiene measures: Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of the day.

Ingredient Name	Occupational Exposure Limits
Quaternary Ammonium Compounds,	Not available
Benzyl C12-C16 Alkyldimethyl chlorides	
Quaternary Ammonium Compounds,	Not available
Di-C8-C10 Alkyldimethyl chlorides	

Personal protective equipment

Respiratory system: Wear appropriate respirator when ventilation is inadequate.

Skin and body: Lab coat

Hands: Gloves

Eyes: Safety glasses

9 Physical and chemical properties

Physical state: Liquid.

Colour: Colourless.

Odour: Mango fruit fragrance.

pH: Neutral

Boiling point: Greater than 100 degrees C. (212 F.)

Melting point: May start to solidify at minus 0.1 degrees C.

Flash point: Not applicable

Explosive properties: Risks in presence of mechanical impact: Not known

Risks in presence of static discharge: Not known

Oxidizing properties: None

Vapour pressure: The highest know value is 2.3 kPa (17.5 mmHg) (at 20C.) Water.

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Not Available

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DEO REO 40**9 Physical and chemical properties continued**

Specific Gravity: 1.1 gms/cc
 Solubility: Easily soluble in cold water, hot water, methanol and acetone.
 Vapour density: The highest known value is 0.62 (Air=1) (Water)
 Evaporation rate(butyl acetate=1): 0.36 (water) compared to Butyl acetate.

10 Stability and reactivity

Stability: This product is stable.
 Materials to avoid: Reactive with oxidizing agents.

11 Toxicological information

Acute Toxicity

Ingredient Name	Test	Results	Route	Species
Quaternary Ammonium compounds,	LD50	426 mg/kg	Oral	Rat
Benzyl-C12-C16Alkyldimethyl Chlorides	LD50	919 mg/kg	Oral	Mouse

Local effects:

Skin irritation: May cause skin irritation upon contact.
 Eye Irritation: May cause eye irritation.
 Sensitization: Non sensitizer for skin.

Chronic Toxicity Repeated or prolonged exposure not known to aggravate medical condition.

Developmental and teratogenic effects: Not Available.

12 Ecological Information**13 Disposal considerations**

Methods of disposal: Waste of residues: Waste must be disposed of in accordance with federal state and local environmental control regulations.
 Contaminated packaging: Not available
 Waste Classification: Not available
 European Waste Catalogue(EWC): Not available
 Hazardous Waste: To present knowledge of supplier, this product is not regarded as hazardous waste per EU Directive 94/904/EC

14 Transport information

International transport regulations

Regulatory Information	UN Number	Proper shipping name	Class	Packaging group	Label	Additional Information
ARD/RID Class	Not regulated					
ADN Class	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					

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15 Regulatory information

EU Regulations

Safety phrases: Not Applicable
Product use: Classification and labeling have been performed according to EU Directives 67/548/EEC, 88/379/EEC, including amendments and the intended use. Industrial applications.

National regulations

VOC Content (Retail use):
VOC Content (Industrial use): Contains 0 wt.% VOC

Hazard symbols:

Risk phrases: This product is not classified according to EU regulations.

16 Other information

Full text of R phrases with no. appearing in Section 2- (UK) R34- Causes burns
R36/38- Irritating to eyes and skin

Text of classifications in Section 2- (UK) C- Corrosive
Xi- Irritant

History

Date of Printing: 19/12/2006
Date of Issue: 19/12/2006
Date of previous issue: 25/09/2003
Version: 2
Prepared by: CFR, A Tacony Company

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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